

Remarks

Preliminary Matters

Claims 1-51 and 61 are presented for reconsideration. Claims 52-60 have been canceled. Claims 1, 3, 10, 16, 32, 43, 49, 50, 51, and 61 have been amended. Claims 62-91 are withdrawn from consideration as non-elected.

References to the Specification are taken from the Official Publication (2002/0010798 A1).

Rejections Under 35 U.S.C. § 102

Claims 1, 3-19, 21-25, 29, 31-33, 42-55, 57, 58, 60, and 61 were rejected under 35 U.S.C. § 102(e) as being anticipated by Leighton *et al.*, U.S. Patent No. 6,108,703.

Applicant has amended independent claim 1 in order to distinguish Leighton *et al.* Both Leighton *et al.* and the claimed invention disclose content delivery systems that use auxiliary servers and auxiliary DNS servers to minimize the use of backbone bandwidth. However, the systems operate in different ways. According to Leighton *et al.*, a request directed to a provider's web site is initially handled in a conventional way (col. 7; lines 49-54 (Step 1)). A page returned from the provider's web site contains modified URL's for its embedded objects. These embedded objects are then accessed from auxiliary (ghost) servers (col. 9; lines 22-47 (Steps 2 and 3)).

The invention as now claimed in amended claim 1 operates differently. The conventional DNS system has been manipulated so that user requests for a page on a provider's web site (origin web site) never actually need reach that site. Instead, the conventional DNS system has been manipulated to redirect the request to an auxiliary DNS server (edge DNS 40), which then resolves the request such that the initial page and all its embedded objects can be received entirely from auxiliary servers (edge servers). Applicant explains that this can be accomplished by cache registration (paragraphs 175, 176; Fig. 4; Fig. 5). It will be apparent from the discussion in the specification and the data flow shown in Fig. 4 that the origin web site is entirely spared the burden of handling the client request.

All of claims 2-61, depending from claim 1, were rejected under 35 U.S.C. § 102(e) or 35 U.S.C. § 103(a) as being unpatentable over Leighton *et al.*, or Leighton *et al.* in view of Reed *et al.*, U.S. Patent No. 5,862,325. Claims 3, 10, 16, 32, 43, 49, 50, 51, and 61 have been amended to

adjust dependencies and correct informalities. Claims 52-60 have been canceled in order to eliminate redundant subject matter. The dependent claims remaining in the case are now believed to be allowable as pending from an allowable base claim.

Concluding Matters

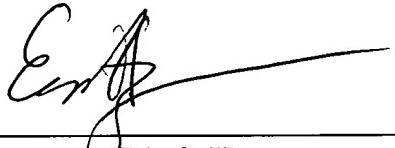
It is believed that the amendments and remarks presented hereinabove are fully responsive to all the grounds of rejection and objections raised by the Examiner, and that the Application is now in order for allowance.

Applicant thanks the Examiner for his thorough consideration of the Application and appreciates the careful analysis of the art cited therein.

If there are any fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666. If a telephone interview would expedite the prosecution of this Application, the Examiner is invited to contact the undersigned at (310) 207-3800.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR, & ZAFMAN



By: _____

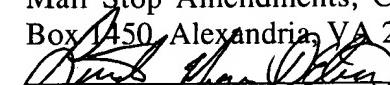
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1-6-05

January 6, 2005

ESH/lmd